AMENDMENTS

Please amend the above-identified application as follows. As noted below, the page and line numbers refer to the substitute application filed with this Preliminary Amendment.

In the Title

On page 1, lines 1 and 2, please delete the text "SYSTEM AND" resulting in the following title:

METHOD FOR GRAPHICALLY ANNOTATING A WAVEFORM DISPLAY IN A SIGNAL MEASUREMENT SYSTEM

In the Specification

On page 1, lines 4-9, replace the section header and first paragraph of the "Related Application" section with the following header and two paragraphs:

RELATED APPLICATIONS

This application is a divisional application of U.S. Utility Patent Application 09/185,410 filed November 3, 1998, now pending.

This application is related to commonly owned U.S. Utility Patent Application entitled "System and Method for Annotating a Graphical User Interface Display in a Computer-Based System, " filed November 3, 1998 under Attorney Docket Number 10982428-1, and naming as inventor Jay A. Alexander.

Please replace the paragraph that extends from page 2, line 1 to page 2, line 13 with the following:

There are many types of display elements that can be presented in signal measurement systems in general and in test and measurement instruments in particular. For example, in addition to the waveforms representing the signals currently received at the channel inputs, waveforms referred to as function waveforms may also be displayed. Function waveforms are waveforms created by processing one or more signal waveforms. Such processing may include, for example, performing arithmetic manipulations on a signal waveform or combining multiple input signal waveforms in some predetermined manner. The resulting function waveforms are stored in a display memory for subsequent retrieval and display. In

addition, memory waveforms may also be displayed. Memory waveforms are waveforms which have been previously captured and stored in a memory device of the signal measurement system. In addition to the above waveforms, other display elements such as marker indicators, trigger indicators, etc., are typically displayed.

Please replace the paragraph that extends from page 3, line 28 to page 4, line 9 with the following:

Subsequent evaluation of the waveforms due to, for example, problems identified during the manufacturing of the DUT, requires a comparison to be made between the current performance of the DUT and the previously-documented characterizations made during product design or component qualification. Unfortunately, the information contained in the above laboratory notes is often incomplete or difficult to correlate with the acquired signals obtained during the current test process. Furthermore, this process is often time consuming or not possible due to the misplacement of the original test results and related information. As a result, additional time must be expended to repeat tests which have been performed previously. Oftentimes, a previous test cannot be repeated due to a change in venders, lack of part inventories, etc. This results in further costs being expended to recharacterize the DUT.

Please replace the paragraph that extends from page 6, line 3 to page 6, line 10 with the following:

The present invention is a real-time annotation system and methodology for annotating measurement waveforms in a signal measurement system that includes a graphical user interface for displaying waveforms and measurement results on a signal measurement system display. Generally, the annotation system enables an operator to generate a graphical annotation label containing any desired data, and to graphically position the annotation label at any desired location on the measurement display, enabling the operator to positionally associate the graphical annotation label with a desired waveform or waveform feature displayed on the graphical user interface.

Please replace the paragraph that extends from page 12, line 14 to page 12, line 19 with the following:

Various embodiments of the present invention provide certain advantages and overcome certain drawbacks of the above and other conventional techniques. Not all